

**ABSTRACT**

This invention allows a factor in deterioration for receiving characteristics of the antenna to be automatically determined and the deterioration for receiving characteristics to be automatically improved.

5 In an apparatus 100 for receiving digital broadcast signal, when receiving the signal, a received signal sent from the antenna 1 is orthogonally detected to a baseband signal; an average value of amplitude in radial direction of signal points of phase mapping of the baseband signal is then measured to calculate a C/N value for the received signal; an average value  
10 of amplitude in circumferential direction of signal points of the phase mapping of the baseband signal is measured to calculate an amount of phase noise of the received signal; a bit-error rate of transport stream that is given by demodulating the baseband signal is then measured; a factor in deterioration for receiving characteristics of the antenna is  
15 determined based on these results; and a desired measure mode is set based on the determination result thereof.